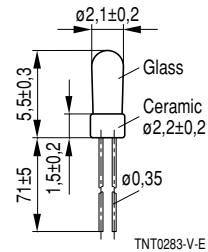


Temperature Measurement
Glass-Encapsulated Sensors
B57660**G 660****Applications**

- Automotive electronics
- Industrial electronics
- Home appliances

Features

- For temperature measurement up to 300 °C and 350 °C respectively
- Mechanically reinforced by rugged ceramic disk
- High stability when subjected to heat cycling and aggressive environment
- Leads: domet wires (copper-clad FeNi)

Dimensions
in mm**Delivery mode**

Bulk

Climatic category (IEC 60068-1)		$\Delta R_N/R_N$	55/300/56 ± 3 %, ± 5 % approx. 1.5	mW/K s			
Resistance tolerance							
Dissipation factor (in air)							
Thermal cooling time constant (in air)		τ_c	approx. 18				

R_{25} Ω	R_{TN} Ω	T_N °C	No. of R/T characteristic	$B_{0/100}$ K	$B_{25/85}$ K	Ordering code
2,2 k	6 k	0	8401	$3390 \pm 2 \%$	3420	B57660G0222+000
5,4 k	15 k	0	8402	$3450 \pm 2 \%$	3480	B57660G0542+000
10,7 k	30 k	0	8407	$3450 \pm 2 \%$	3480	B57660G0113+000
49,1 k	3,3 k	100	8403	$3970 \pm 2 \%$	3992	B57660G0493+000
98,6 k	0,55 k	200	8404	$4300 \pm 3 \%$ ¹⁾	4066	B57660G0993+000
231,4 k	1 k	200	8405	$4537 \pm 3 \%$ ¹⁾	4240	B57660G0234+000 ³⁾
1388,1 k	4 k	200	8406	$5133 \pm 3 \%$ ²⁾	4557	B57660G0145+000 ³⁾

+: H for $\Delta R_N/R_N = \pm 3 \%$ J for $\Delta R_N/R_N = \pm 5 \%$ 1) $B_{100/200}$

Temperature Measurement	B57660
Glass-Encapsulated Sensors	G 660

Reliability data

Test	Standard	Test conditions	$\Delta R_{25}/R_{25}$ (typical)	Remarks
Storage in dry heat	IEC 60068-2-2	Storage at upper category temperature $T: 300\text{ }^{\circ}\text{C}$ $t: 1000\text{ h}$	< 3 %	No visible damage
Storage in damp heat, steady state	IEC 60068-2-3	Temperature of air: $85\text{ }^{\circ}\text{C}$ Relative humidity of air: 85 % Duration: 56 days	< 2 %	No visible damage
Rapid temperature cycling	IEC 60068-2-14	Lower test temperature: $-55\text{ }^{\circ}\text{C}$ Upper test temperature: $200\text{ }^{\circ}\text{C}$ Number of cycles: 1000	< 2 %	No visible damage



zuholen.

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Corporate Communications, P.O. Box 80 17 09, 81617 Munich, GERMANY

✉ +49 89 636 09, FAX (0 89) 636-2 26 89

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